

Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	BRS	L1 85	arsacs	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:28		0
2	BRS	L3 6	spastin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:36		0
3	BRS	L4 95984	nucleic adj acid	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:36		0
4	BRS	L5 11445	exon	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:37		0
5	BRS	L7 48103	"vertebrate or human) same gene pairs	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:38		0
6	BRS	L8 1	"12793" adj base adj pairs	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:45		0
7	BRS	L9 695	4 same 5 same 7	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:39		0
8	BRS	L10 42328	base adj pairs	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:40	-	0
9	BRS	L11 71	9 same 10	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:41		0
10	BRS	L12 5	"13000" adj base adj pairs	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:45		0
11	BRS	L13 0	9 same 12	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:46		0
12	BRS	L14 13	"14000" adj base adj pairs	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:46		0

Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Error Codes
13	BRS	L15 0	9 same 14	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:46			0
14	BRS	L16 26	"15000" adj base adj pairs	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:46			0
15	BRS	L17 0	9 same 16	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:47			0
16	BRS	L18 49	hudson adj thomas.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:47			0
17	BRS	L19 1	engert adj james.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:48			0
18	BRS	L20 62	richter adj andrea.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:48			0
19	BRS	L21 0	(18 or 19 or 20) and (1 or 3 or 9)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/02 17:49			0

FILE 'HOME' ENTERED AT 17:51:15 ON 02 JAN 2003

=> file medline caplus biosis embase scisearch agricola
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
0.21 0.21
FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 17:51:42 ON 02 JAN 2003

FILE 'CPLUS' ENTERED AT 17:51:42 ON 02 JAN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE 'AGRICOLA' ENTERED AT 17:51:42 ON 02 JAN 2003

=> s arsacs
L1 56 ARSACS

=> s spastin
L2 174 SPASTIN

=> s nucleic acid (p) exon (p) (vertebrate or human)
3 FILES SEARCHED...
L3 724 NUCLEIC ACID (P) EXON (P) (VERTEBRATE OR HUMAN)

=> s l3 (p) 12
L4 0 L3 (P) L2

=> s l2 (p) (human or vertebrate) (p) gene
3 FILES SEARCHED...
L5 43 L2 (P) (HUMAN OR VERTEBRATE) (P) GENE

=> duplicate remove 15
DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L5
L6 33 DUPLICATE REMOVE L5 (10 DUPLICATES REMOVED)

=> s l6 (p) (base pair)
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L43 (P)'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L45 (P)'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L47 (P)'
L7 0 L6 (P) (BASE PAIR)

=> d his

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FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT
17:51:42 ON 02 JAN 2003

L1 56 S ARSACS
L2 174 S SPASTIN
L3 724 S NUCLEIC ACID (P) EXON (P) (VERTEBRATE OR HUMAN)
L4 0 S L3 (P) L2
L5 43 S L2 (P) (HUMAN OR VERTEBRATE) (P) GENE
L6 33 DUPLICATE REMOVE L5 (10 DUPLICATES REMOVED)
L7 0 S L6 (P) (BASE PAIR)

=> s 16 (p) exon
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L56 (P) EXON'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L58 (P) EXON'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L60 (P) EXON'
L8 1 L6 (P) EXON

=> d 18 1 ibib abs

L8 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2000:350945 BIOSIS
DOCUMENT NUMBER: PREV200000350945
TITLE: Clinical and pathologic findings in hereditary spastic paraparesis with spastin mutation.
AUTHOR(S): White, K. D.; Ince, P. G.; Lusher, M.; Lindsey, J.; Cookson, M.; Bashir, R.; Shaw, P. J.; Bushby, K. M. D. (1)
CORPORATE SOURCE: (1) Department of Human Genetics, 19/20 Claremont Place, Newcastle upon Tyne, NE2 4AA UK
SOURCE: Neurology, (July 12, 2000) Vol. 55, No. 1, pp. 89-94.
print.
ISSN: 0028-3878.

DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

AB Objective: To describe a family with chromosome 2p-linked hereditary spastic paraparesis (HSP) associated with dementia and illustrate the cerebral pathology associated with this disorder. Background: HSP comprises a heterogeneous group of inherited disorders in which the main clinical feature is severe, progressive lower limb spasticity. Nongenetic classification relies on characteristics such as mode of inheritance, age at onset, and the presence or absence of additional neurologic features. Several loci have been identified for autosomal dominant pure HSP. The most common form, which links to chromosome 2p (SPG4), has recently been shown to be due to mutations in spastin, the gene encoding a novel AAA-containing protein. Results: The authors report four generations of a British family with autosomal dominant HSP in whom haplotype analysis indicates linkage to chromosome 2p. In addition, a missense mutation has been identified in exon 10 of the spastin gene (A1395G). Dementia was documented clinically in one member of the family, two other affected family members were reported to have had late onset memory loss, and a younger affected individual showed evidence of memory disturbance and learning difficulties. Autopsy of the demented patient confirmed changes in the spinal cord typical of HSP and also demonstrated specific cortical pathology. There was neuronal depletion and tau-immunoreactive neurofibrillary tangles in the hippocampus and tau-immunoreactive balloon cells were seen in the limbic and neocortex. The substantia nigra showed Lewy body formation. The pathologic findings are not typical of known tauopathies. Conclusions: The authors confirm that chromosome 2p-linked HSP can be associated with dementia and that this phenotype may be associated with a specific and unusual cortical pathology.

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L1 56 S ARSACS
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L3 724 S NUCLEIC ACID (P) EXON (P) (VERTEBRATE OR HUMAN)
L4 0 S L3 (P) L2
L5 43 S L2 (P) (HUMAN OR VERTEBRATE) (P) GENE
L6 33 DUPLICATE REMOVE L5 (10 DUPLICATES REMOVED)
L7 0 S L6 (P) (BASE PAIR)
L8 1 S L6 (P) EXON

=> log y

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
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